DRILL HOLE SR-4, SILVER REEF DISTRICT, WASHINGTON COUNTY, UTAH 1 Redioactivity JUNE 1951 of hole Denth Alluvium and granitie boulders. 5,809.5 21.7 Very fine cs., pale yellowish orange 10YR 8/6. Dip 289 to 300. Variable carbonate content in sement. At 35.4 to 35.5 feet, 5 partings with visible muscovite and grayish yellow gr Sample FS 7-51...... 42.95 to 45.30 feet. 42,95 Very fine es, 20% black plent remains, Carnotite, torbernite(1) 1,500 Sopem Sample FS 8-51..... 41.90 to 43.40 feet Very fine cs., pale yallowish orange, variable carbonate 53.4 to 57.4 st., 800 content in coment. 57.0 Very fine ce, with 10% black plent remains, green stained. 58,0 Very fine es. dusky yellow green. Sample FS 9-51......54.8 feet to 59.8 Very fine es., pale yellowish orange. Dip 25°. Cley partings, grayish yellow groon, at 66.6, 67.9, 68.8, and 75.55 feet. 78.2 findstone, grayish yellow green 50Y 7/2, Miltetone, dark reddich brown. Dip 10. 91.35 Hiltstone, light greenish gray 50Y 8/1.elay partings 50 6/1. 95.5 Mudstone, friable, grayish red purple and greenish gray 50 6/k.
96.5 Very fine es., 98% pinkish gray, 2% x-bedded 1t. brownish gray. 17% Very fine ss., light brownish gray 5TR 6/1. 104.75 Clay, greenish gray 50 6/1. Mp 120. 109.5 Mudstone, dark reddish brown, friable. Bottomed 20 Ame 1951

All rock well consolidated throughout except where otherwise noted. Orain sizes given are in accord with the Wentworth Scale. Color names are taken from the Rock Color Chart distributed by the National Research Council, 1948.

A highly variable quantity of carbonate exists throughout the rocks, except in the few most highly argillaceous layers.

DIAMOND DRILL HOLE SR-7, SILVER REEF DISTRICT, WASHINGTON COUNTY, UTAH 1/ JULY 1951 malyana, SCC toble 2 Alluvium and granitic boulders, 79.77 3,700.0 very pale orange. Dip 16 at 85.6, 7 at 84.1. 3,72.5 86.9 Very fine sendstone, grayish orange. Dip 19°. Pale red 5R 6/2 luminas from 87.61 to 87.69, and 87.82 to 87.92. 80 percent very fine sendstone, grayish erengs, \$0 percent elay blobs, pale green 50 7/2, 0.1 to 0.4 inches acrose, random orientation. Very fine conditions, grayich erenge. Dip 32° at 97.2 feet, 18° at 98.35. Very fine sandstons, pale yellowish orange. Dip 52° at 103.8 feet.
Between 103 and 104, color grades dominard into grayish orange. Dip
17° at 112.3, 30° at 118.2, 27° at 119, 31° at 124.3, 31° at 125.
Only 25 percent core recovery from 119 to 123. Between 125.5 and 124.9, several imife-edge thickness clay partings. PE 18-5 (3.74 Very fine sendstone, yellowish gray. 5 percent alay poblice, grownish gray. Very fine sendstone, grayish orange to pale yellowish orange 125.9 to 158.35. Partings at 146.9 and 147.35 contain light broup plant focalis. From 146.9 to 148.75, color has a grayish cast. Dipe: 24 at 147., 15° at 126.75 and 5° at 130., 20° at 144. 3.679.0 160.75 Siltstone, greenish gray 50 6/1 to medium gray Dip 170 at 160.4. audstone, greenish gray 50 6/1 to dark greenish gray 507 4/1 to 163.8. From 163.8 is brownish gray. Dip 17-1

1/ All rock well consolidated except where otherwise noted. Grain sizes given are in accord with the Mentworth Scals. Color names are taken from the Rock Color Chart distributed by the National Research Council, 1948. The word "dip" is used here to indicate the maximum angle betweenhorizontal and the lamination of the rock, thus including foreset beds on which measurements are unavoidably taken.

Bottomed 5 July 1951

Traces of carbonate occur in all except the most highly argillaceous beds. No abnormal radicactivity was detected in this core by a Geiger-Mueller counter.

	ILL HUL	E SR-5, SILVER REEF DISTRICT, WASHINGTON COUNTY, U	ROSiocelivity
3.855.1	Depth	hek .	of more
,,0),,1	0.	Alluvium and granitie boulders.	
.817.1	18,0		
	20.6	Very fine ss., dark yellowish orenge, Dip 11°,	
	<i>₹</i> 55•5	Very fine se., 9% pale red 5R 6/2 with 5% very pale prenge laminae about 0.01 foot thick each. Exp 150 to 140.	
	40,2	Very fine es., very pale orange. Dip 14°. From 39.7 to 40.2 feet, 40% clay blebs pale green 50 7/2.	
	47.5	Very fine ss., grayich orange 10TR 7/4. Dip 20° to 25°.	
		Very fine es., pale red 5R 6/2. Dip 21° to 51°. From 65 to 64 feet, close partings with grayish red 5R 6/2 surfaces.	
		Sample FS 11-51 82.5 to \$6.5 feet.	81.5 to
7,772.5	84.2	Very fine see, very pale orange, % plant remains, green steine	470 Canalla
5.753.4	101.7	Very fine es., very pale orange. Dip 170 to 180. At 90.7 to 90.8 feet, some plant remains.	
WASHI FELLERI AND THE	106,2	ludstone, dark greenish gray 501 4/1. Mp 20°. Sample FS 10-51 IO2.8 to 105.9 feet	105.0 ft. 570 e/p.m
	114.0	Siltstone, dark reddish brown with 5% very fine es., gray. 108.5 to 109. ft. irregularly mottled with 30% grayish green siltstone 100Y 5/2.	
		Very fins ss. and miltstone, prominent crossbedding, pale red 10R 6/2. Dip about 25%.	
	127.6	Siltstone, dark reddish brown. Priable.	

1/ All rook well consolidated except where otherwise noted. Grain sizes given are in accord with the Wentworth Scale. Color names are taken from the Rock Color Chart distributed by the National Research Council, 1948.

A highly variable quantity of carbonate exists throughout the rocks, except in the few most highly argillaceous layers.

			JUNE 1951	Padiooctivity of hole
rley.		Depth/f	Pock description	
3851.1			Alluvium and gramitic boulders, as much as 2,2 fest through	
5.793.6		57.5		
	噩	40.0	Very fine ss., pale red and pale yellerdsh erange. Dip 80. Broken.	
		44.1	Very fine se., very pale orange. Dip 36°.	42.8 to 45.1 480 c.p.m.
		46.5	Mudstone, pals clive 10Y 6/2. Mp 160.	
		49.6	Pale yallowish orange, Yery fine ss. to 49.6 feet. Below 49.6, 98 percent grayish orange, 1 percent pale red. Inp 17°.	50.0 feet, 600 copomo
3,766.0	11/1///	65.1	At 57. feet, dip 22½0. At 57.8 feet, dip 24½0. Sample FS 26-5164. to 64.3 feet Sample FS 27-5164.3 to 65.3 feet Sample FS 28-5165.3 to 65.95 feet Green copper mineral on 2 partings at 64.35 feet. Dip 17½0.	62.5 to 65.4 750 c.p.m. 63.9 to 64.
		65.7	95% very fine so, grayish orange, % black plant remains, Mp 170.	870 c.p.m.
		85.05	Very fine ss., pals yellowish orange. Mp 11° at 68.4 feet. Mp 29° at 82.8 feet.	
Total a		83.25	Some sa, with 10% content elay blabs, pale blue green to It.clive gr	
	HAT	86.0 1'6, 4'	Very fine as, pale vellowed grange, 1% elsy blabs, Very fine as, pale vellowed orange, 10, clay blobs, pale blue gross	
5.745.4	3	87.7	Same os, with % clay blobs, moderate yellow green.	
5,728.5		91.5	Very fine cs., 50% elay blabs, it.olive gray to pale blue green.	
		97.2	Very fine ss., pale yellowich orange. Dip 27° at 93.5. 60° fracture at 92 feet, calcite lined.	
		99-1	Very fine se., very light gray.	
	1	102,8	Very fine ss., very pale orange. Dip 22° at 102,2 feet.	
	3	105.9	Siltstone, light gray. Dip 11° at 103. ft.	
	THE WAY		Mudstone, greenish gray to moderate gray, Folded, erresbedded. Mudstone, dark reddish brown. Dip 13° at 114.5 feet.	
	119		Mottled miltstone, dip 190. Dk. red. brane, 1t. y. orange, 1t. gray, red.	
	1000		Siltstone, 80% dk, reddish brown, 20% medium gray. Dip 730 to 100.	

1/ All rock to well consolidated, except where otherwise noted. Grain size in Newtworth scale. Color nomenclature from Rock Color Chart. National Research Council. 1948-

Geology by F. Stugard, Jr.